

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:		(11) International Publication Number:	WO 99/50967
H04B 1/38	A1	(43) International Publication Date:	7 October 1999 (07.10.99)
(21) International Application Number: PCT/U (22) International Filing Date: 31 March 1999	\$99/069 (31.03.9	BR, BY, CA, CH, CN, CU, C	Z, DE, DK, EE, ES, FI, GB, 1D, IL, IN, IS, JP, KE, KG, LT, LU, LV, MD, MG, MK,

US

60/089,850 19 June 1998 (19.06.98) US 60/093,669 22 July 1998 (22.07.98) US 60/094,479 29 July 1998 (29.07.98) US

1 April 1998 (01.04.98)

(71) Applicant (for all designated States except US): MAT-SUSHITA GRAPHIC COMMUNICATION SYSTEMS, INC. [JP/JP]; 2-3-8, Shimomeguro, Meguro-ku, Tokyo 153 (JP).

(72) Inventor; and

(30) Priority Data:

60/080,310

- (75) Inventor/Applicant (for US only): PALM, Stephen [US/JP]; Matsushita Graphic Communication Systems, Inc., 2-3-8, Shimomeguro, Meguro-ku, Tokyo 153 (JP).
- (74) Agent: PAPERNER, Leslie, J.; Greenblum & Bernstein, P.L.C., 1941 Roland Clarke Place, Reston, VA 20191 (US).

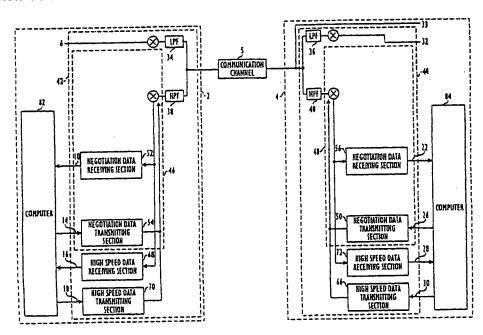
(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Europeen patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: ACTIVATION OF MULTIPLE xDSL MODEMS WITH IMPLICIT CHANNEL PROBE



(57) Abstract

Apparatus and method for establishing a communication link. A negotiation data transmitting section (54) transmits carriers to a responding communication device (4). A negotiation data receiving section (54) receives carriers from the responding communication device (4), in response to the transmitted carriers. A selecting device selects an appropriate communication device from a plurality of communication devices in accordance with the responding communication device (4), in order to establish a communication channel (5).